Weather Event Simulator
Case Study

Originating Office	:	WFO Lake Charles
Date of Case	:	07 April 2003
Contacts	:	Felix.Navejar@noaa.gov; Michael.Marcotte@noaa.gov
Weather Event	:	Severe Weather - Record Grapefruit Size Hail Coastal Hail Event
Learning Objectives	:	To correctly analyze the pre-storm environment that induced this supercell hail event. To practice use of advanced radar interrogation methods with established warning tools to assist in the warning decision making process. To issue timely warnings with WARNGEN based on the accumulation of evidence through supporting data.
Available Data	:	All radar data for KLCH and KPOE. Lowest elevation angle data for KHGX, KSHV and KLIX.
	:	AWIPS model guidance fields.
	:	All AWIPS satellite imagery (CONUS & greater scales).
	:	All AWIPS point data.
	:	All AWIPS redbook graphics, including SPC convective watches.
	:	Surface metar/lighting/MSAS data
Time Period of Data	:	1200 UTC to 2059 UTC 7 April 2003.
Type of Simulation	:	Interval Based Simulation -- Self Guided or SOO instructed..
Completion Time	:	6 hours (2 hours pre-storm analysis and 4 hours real-time)
Additional Materials	:	Simulation Guide (PDF format) is availableon the DVD-ROM and will also be installed in a 2003Apr07/SimulationGuide subdirectory.
Installation	:	Use the CaseInstaller.tcl script to install the case specifying one (1) DVD, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2003Apr07.
Special Instructions	:	This case includes localizations for WES versions 1.0, 1.1, 1.2 and 1.3. Please “cd” to the 2003Apr07/localizationDataSets subdirectory and extract (zcat | tar -xvf -) the appropriate localization for your version of the WES software.